

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application. Applicants elect the following claims:

LISTING OF CLAIMS

1. (Original) A process for treating the surface of a wet surface heat exchanger so as to build the hydrophilic porous structure,
said process comprising the operation of:
making the coating composition by blending micro solid particles with the hydrophilic binders;
spreading said coating composition on the surface of said heat exchanger by means of spraying or dipping; and
curing the coated surface of said heat exchanger.
2. (Original) A process for treating the surface of a wet surface heat exchanger according to claim 1, wherein said micro solid particles is 5 ~ 100 μm in diameter.
3. (Original) A process for treating the surface of a wet surface heat exchanger according to claim 1, wherein the thickness of the hydrophilic porous structure coating on said surface of a heat exchanger is adjusted by controlling the viscosity of binder.

4. (Withdrawn) A process for treating the surface of a wet surface heat exchanger so as to build the hydrophilic porous structure,
said process comprising the operation of:
roughening the surface of said heat exchanger by corroding said surface with chemical or electrochemical process, or by use of the physical process; and
processing hydrophilization of said surface of said heat exchanger.

5. (Withdrawn) A process for treating the surface of a wet surface heat exchanger according to claim 4, wherein said surface roughness is 5 ~ 100 μm in height.

6. (Original) A process for treating the surface of a wet surface heat exchanger according to claim 1, wherein the method for building the hydrophilic porous structure on the surface of said heat exchanger is:

building said hydrophilic porous structure on the surface of each components of a heat exchanger, thereafter assembling each components to construct a heat exchanger; or

building said hydrophilic porous structure on the surface of a heat exchanger which is assembled in advance.

7. (Withdrawn) A process for treating the surface of a wet surface heat exchanger according to claim 4, wherein the method for building the hydrophilic porous structure on the surface of said heat exchanger is:

building said hydrophilic porous structure on the surface of each components of a heat exchanger, thereafter assembling each components to construct a heat exchanger; or

building said hydrophilic porous structure on the surface of a heat exchanger which is assembled in advance.